Performance Data Sheet

AWG5515EXT

General Information

Model	AWG5515EXT	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-15	Btu/h	3640	3290					
	Watts	718	700					
	Amps	3.08	3.09					
	Lb/h	47.2	44.2					
-10	Btu/h	4360	3910	3460				
	Watts	757	747	733				
	Amps	3.16	3.18	3.17				
	Lb/h	56.0	52.2	48.1				
-5	Btu/h	5270	4720	4170	3630			
	Watts	798	797	790	780			
	Amps	3.24	3.27	3.27	3.25			
	Lb/h	67.2	62.6	57.6	52.3			
0	Btu/h	6380	5720	5070	4420	3790		
	Watts	840	848	850	847	840		
	Amps	3.31	3.36	3.38	3.37	3.34		
	Lb/h	80.7	75.3	69.4	63.2	56.8		
5	Btu/h	7670	6910	6140	5380	4640		
	Watts	881	900	911	917	917		
	Amps	3.38	3.44	3.48	3.49	3.48		
	Lb/h	96.4	90.2	83.5	76.5	69.1		
10	Btu/h	9150	8280	7400	6520	5660	4840	4070
	Watts	921	951	973	987	995	997	994
	Amps	3.44	3.52	3.58	3.61	3.62	3.61	3.58
	Lb/h	114	107	99.9	91.9	83.6	75.0	66.2
15	Btu/h	10800	9820	8830	7830	6850	5900	5000
	Watts	957	1000	1030	1060	1070	1080	1090
	Amps	3.50	3.60	3.67	3.72	3.75	3.77	3.76
	Lb/h	134	127	118	110	100	90.8	80.9
20	Btu/h	12600	11500	10400	9310	8200	7130	6100
	Watts	989	1040	1090	1130	1150	1170	1180
	Amps	3.54	3.66	3.76	3.83	3.89	3.93	3.95
	Lb/h	156	148	139	129	119	109	97.9

25	Btu/h	14700	13400	12200	10900	9710	8500	7340
	Watts	1020	1090	1140	1190	1230	1260	1280
	Amps	3.58	3.72	3.84	3.94	4.02	4.09	4.14
	Lb/h	180	171	161	151	140	129	117
30	Btu/h	16800	15500	14100	12700	11400	10000	8730
	Watts	1030	1120	1190	1250	1300	1340	1370
	Amps	3.61	3.77	3.92	4.04	4.15	4.24	4.32
	Lb/h	205	196	186	175	163	151	138
35	Btu/h	19200	17700	16200	14700	13200	11700	10300
	Watts	1050	1150	1230	1310	1370	1420	1460
	Amps	3.62	3.81	3.98	4.14	4.28	4.40	4.51
	Lb/h	233	223	212	200	188	175	161
40	Btu/h	21700	20100	18500	16800	15200	13500	11900
	Watts	1050	1160	1270	1360	1430	1490	1540
	Amps	3.62	3.84	4.04	4.23	4.40	4.55	4.69
	Lb/h	262	251	240	227	214	200	186
45	Btu/h	24400	22600	20900	19100	17300	15500	13800
	Watts	1040	1170	1290	1400	1480	1560	1620
	Amps	3.61	3.86	4.09	4.31	4.51	4.70	4.88
	Lb/h	292	281	269	256	242	228	212
50	Btu/h	27200	25300	23400	21500	19500	17600	15700
	Watts	1010	1170	1310	1430	1530	1620	1690
	Amps	3.59	3.87	4.13	4.38	4.62	4.84	5.06
	Lb/h	324	313	300	287	272	257	241
55	Btu/h	30200	28200	26100	24000	21900	19800	17800
	Watts	979	1150	1310	1450	1570	1670	1760
	Amps	3.55	3.86	4.16	4.44	4.72	4.98	5.23
	Lb/h	358	346	333	319	304	288	271

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.553639E+03	4.915988E+02	1.912466E+00	9.853188E+01
C2	3.899728E+02	-1.597581E+01	-2.271510E-03	3.678314E+00
C3	1.340239E+00	8.334508E+00	3.053878E-02	1.696019E-01
C4	4.365783E+00	-1.557136E-01	-3.993915E-04	3.855777E-02
C5	-1.669616E+00	3.962326E-01	1.301795E-04	-4.114952E-03
C6	-7.171180E-01	-5.873415E-02	-1.777733E-04	-6.078220E-03
C7	-4.853299E-03	-1.764826E-03	-1.247374E-06	-1.021889E-04
C8	-7.372553E-03	1.831156E-03	3.553077E-06	6.875142E-05
C9	-2.561643E-03	-1.149906E-03	9.675834E-07	-6.677916E-05
C10	2.549114E-03	1.124555E-04	1.883340E-07	1.471979E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature